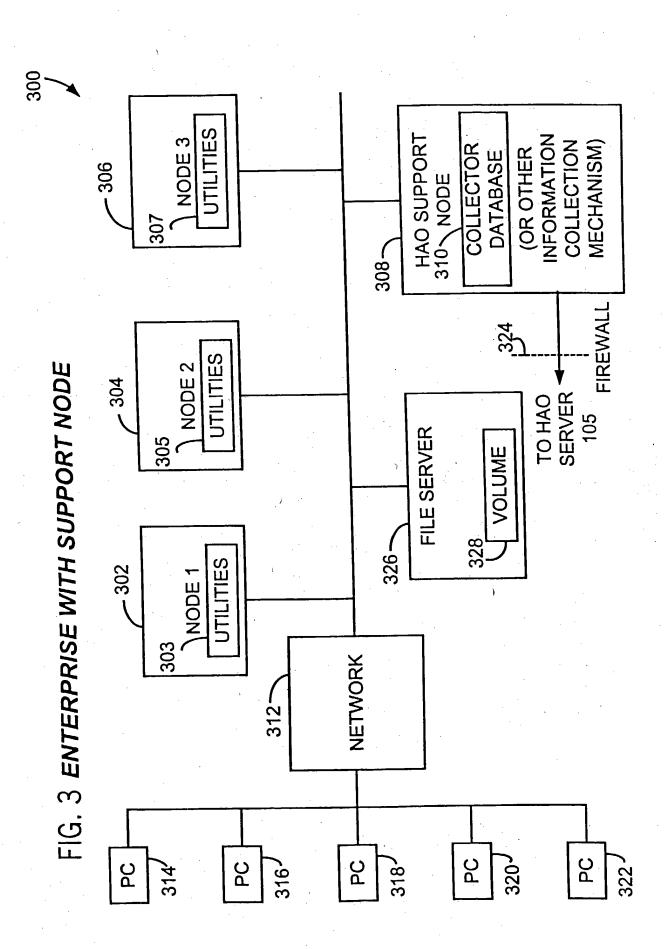
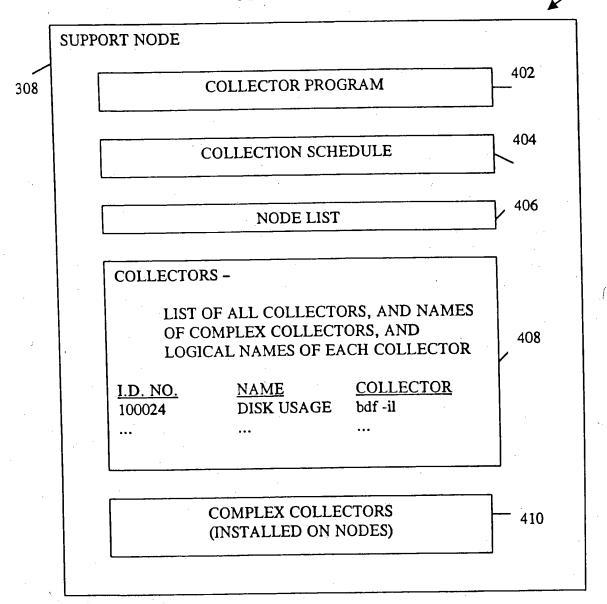


**POWERPOINT** FIG. 2 ENTERPRISE LINKED TO ANALYZER AND REPORT GENERATOR -204 **TEMPLATES &** VARIOUS REPORTS GENERATOR GENERATOR RULES D.B. EXCEL WORD HTML SERVER REPORT REPORT REPORT 208-206 202 ISSUES DATA-ISSUE DSCR. BASE (XML) DB. (GATHERED DATABASE BY OTHER ANALYZER DATABASE LEGACY SERVER MEANS) LEGACY ANALYZER ANALYZER SERVER HARNESS 210-804 DATABASE 806 TRACKER SERVER HAO 69 800 324 **FIREWALI** SUPPORT NODE COLLECTORS COLLECT NODE CONFIG. INFO. 308-304-HAO 104 NODE 302-300





## FIG. 5 COLLECTOR CREATION

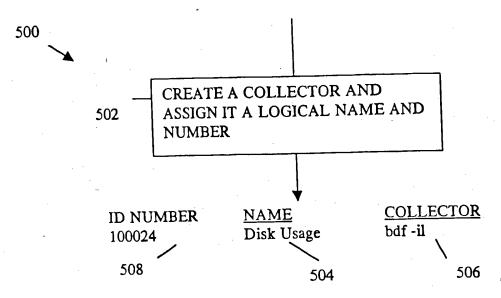


FIG. 6 collector installation on enterprise

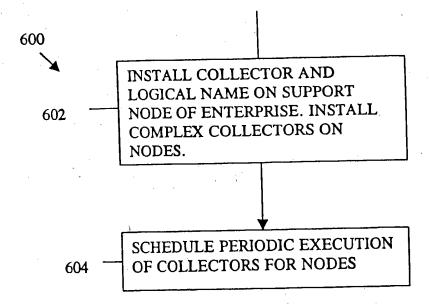
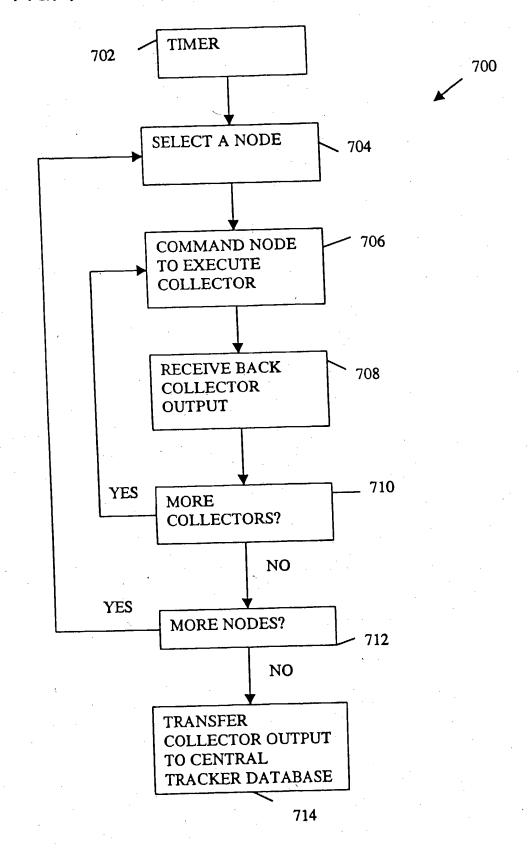
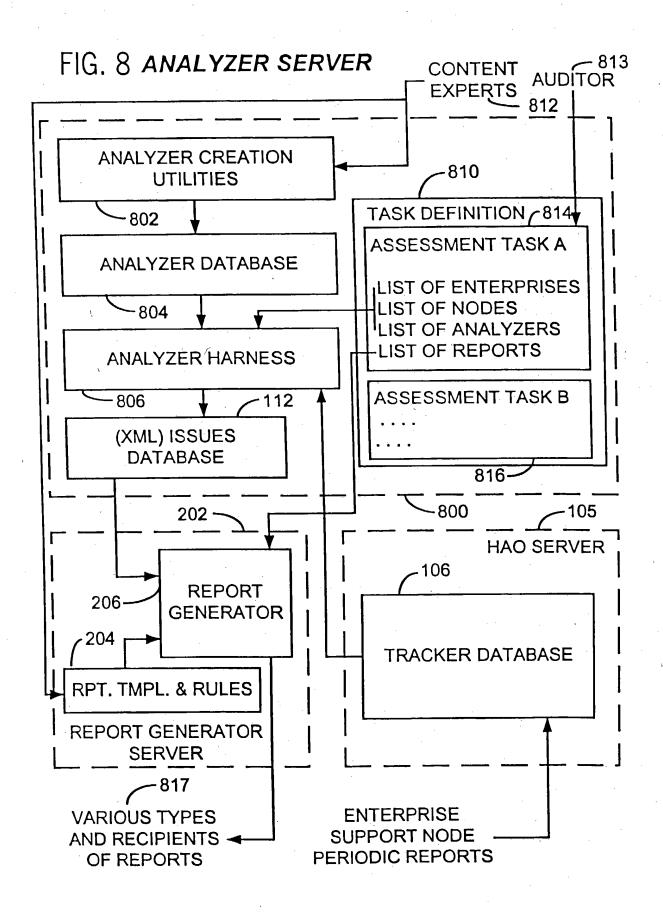


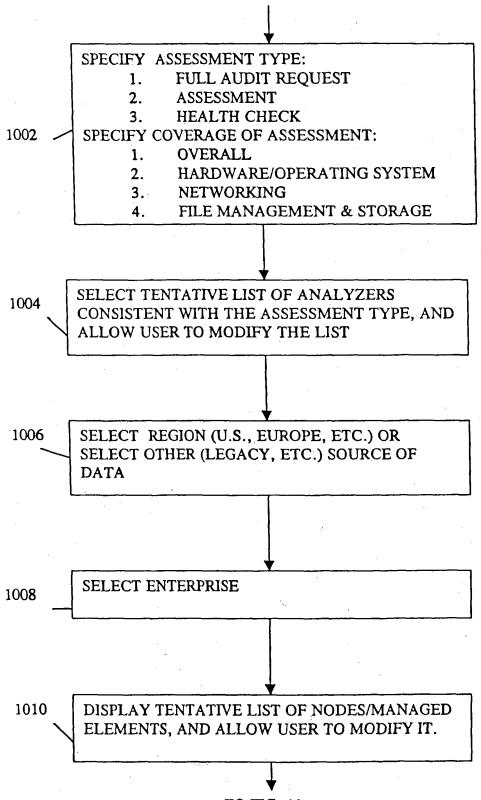
FIG. 7 ENTERPRISE COLLECTOR EXECUTION





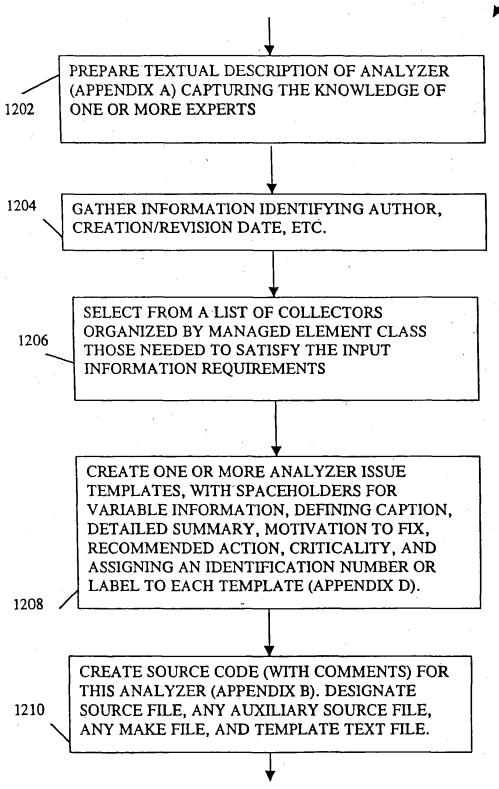
```
U.S. TRACKER DATABASE
ENTERPRISE A
NODE A
COLLECTOR A
DATA (TIME/DATE A)
DATA (TIME/DATE B)
...
COLLECTOR B
...
NODE B
...
ENTERPRISE B
NODE X ...
...
```

## FIG. 10 TASK DEFINITION



## FIG. 11 REPORT DEFINITION

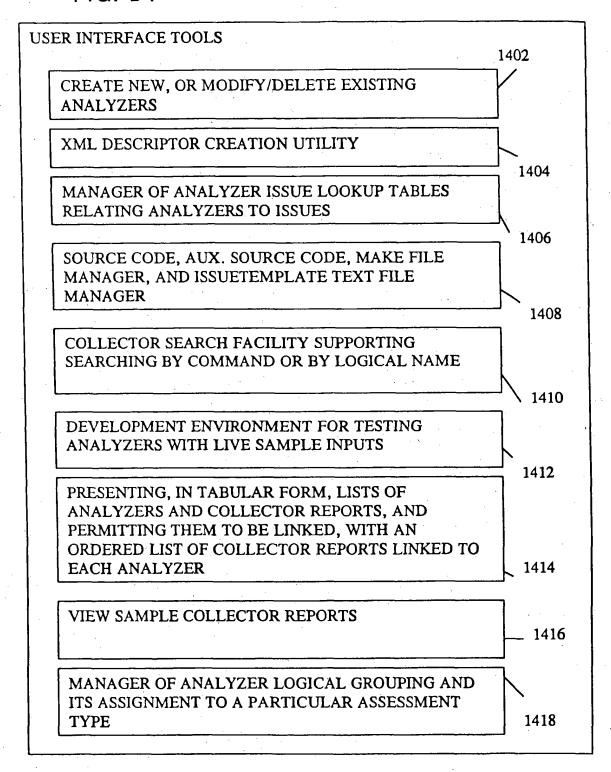
ENTER INFORMATION IDENTIFYING THE AUDITOR(S), INCLUDING ANY 1012 NECESSARY/DESIRED AUDITOR'S COMMENTS OR INSTRUCTIONS OR EXPLANATIONS SELECT TYPE OF REPORT: 1014 MANAGEMENT SUMMARY TECHNICAL SUMMARY TECHNICAL DETAILS MARKETING REPORT MANUFACTURER'S REPORT SELECT REPORT FORMAT: TEXT, PRESENTATION, HTML, ETC. TABLES, GRAPHS, CHARTS, ETC. SELECT TARGET FOR REPORTS HUMANS, DATABASE, WORKFLOW SYSTEM, HEALER/AUTO-REPAIR SYSTEM SELECT DELIVERY MECHANISM/RECIPIENT 1016 PRINTED E-MAIL RECIPIENT LIST **NETWORK ADDRESS OF** DATABASES, WORKFLOW SYSTEMS, SYSTEM HEALER REPORT **GENERATED** 

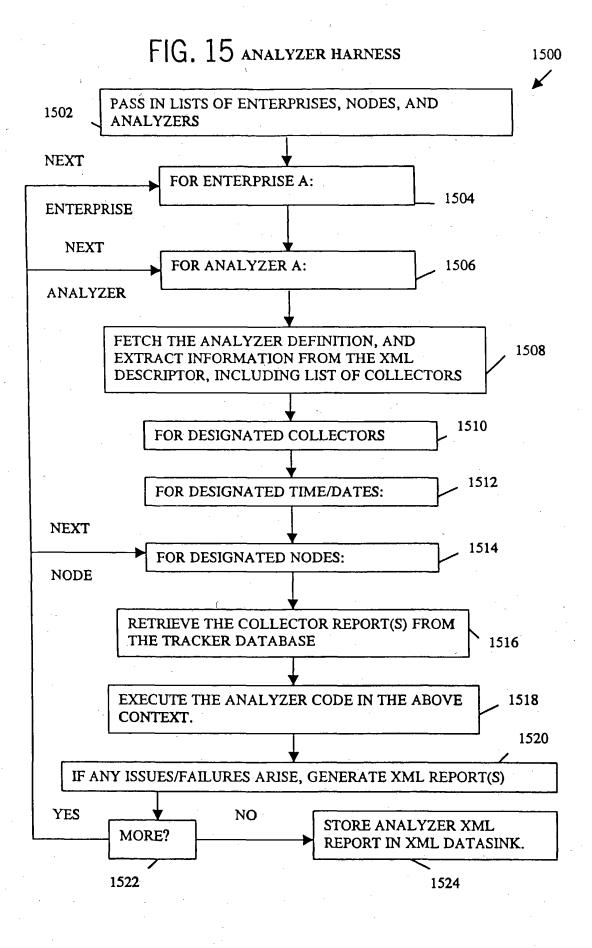


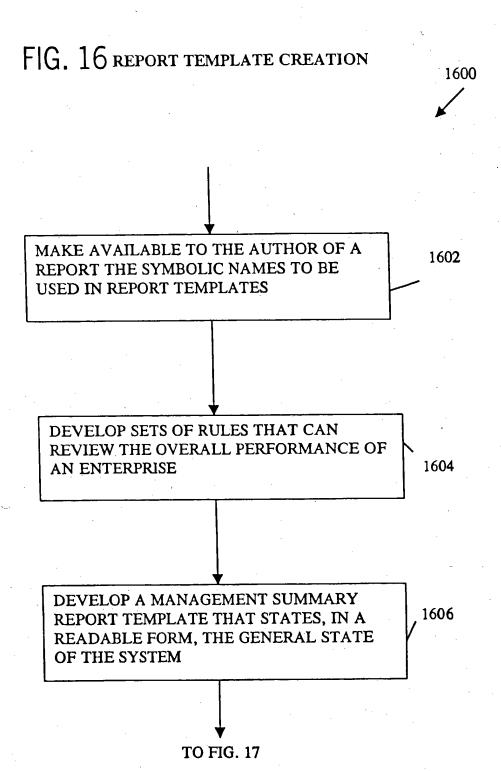
## FIG. 13 ANALYZER CREATION (CONT.)

DEFINE WHICH NODES THIS ANALYZER RUNS UPON: -ALL NODES 1212 -A SUBSET OF MANAGED ELEMENTS OR NODES -A CLUSTER OF NODES 1214 CREATE ANALYZER XML DESCRIPTOR (APPENDIX C) CONTAINING ALL OF THE INFORMATION GATHERED HERE OTHER THAN THE TEXTUAL DESCRIPTION, TEMPLATES, AND SOURCE CODE SAVE IN THE ANALYZER DATABASE 1216 -TEXTUAL DESCRIPTION OF ANALYZER -ISSUE TEMPLATE TEXT FILE -SOURCE AND AUX. SOURCE AND MAKE FILES -XML ANALYZER DESCRIPTOR FILE AS DEFINITION OF THE ANALYZER

FIG. 14 ANALYZER CREATION USER INTERFACE







# FIG. 17

FROM FIG. 16

1608

DEVELOP A TECHNICAL
MANAGEMENT SUMMARY REPORT
THAT LISTS CRITICAL POINTS IN
SUMMARY FORM, STATES THEIR
DEGREE OF CRITICALITY, AND
PRESENTS EXPLANATIONS AND COST
ESTIMATES.

1610

DEVELOP A TECHNICAL DETAIL
TEMPLATE WHICH PRESENTS THE
SPECIFIC ISSUES FOR EACH OF THE
NODES OR GROUPS OF NODES.
INCLUDE ANY MOTIVATIONS TO FIX
EACH ISSUE, THE COST TO
IMPLEMENT CHANGES, THE DETAILS
OF EACH ISSUE, AND ANY
SUPPORTING TEXT OR SNIPPETS OF
THE COLLECTOR OUTPUT AS NEEDED
TO CLARIFY AN ISSUE.

# FIG. 18

FROM FIG. 17

DEVELOP A VARIETY OF MASTER
REPORT TEMPLATES INTENDED FOR
DIFFERING AUDIENCES AND BUSINESS
NEEDS INCLUDING VARYING
COMBINATIONS OF THE ABOVE
REPORTS AS WELL AS ADDITIONAL
INTRODUCTORY AND EXPLANATORY
INFORMATION TO PLACE THE
REPORTS IN CONTEXT.

IN ADDITION, THE USER OF THE REPORT GENERATOR MY PRODUCE ANY REPORT THAT IS NECESSARY OR DESIRABLE, COMBINING THE AVAILABLE INFORMATION IN ANY WAY THAT MAKES SENSE, GIVEN THEIR NEEDS.

1612

FIG. 19 REPORT GENERATOR

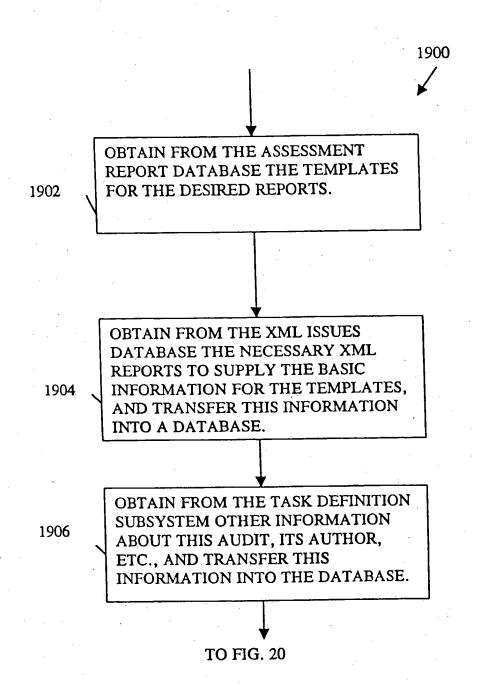


FIG. 20

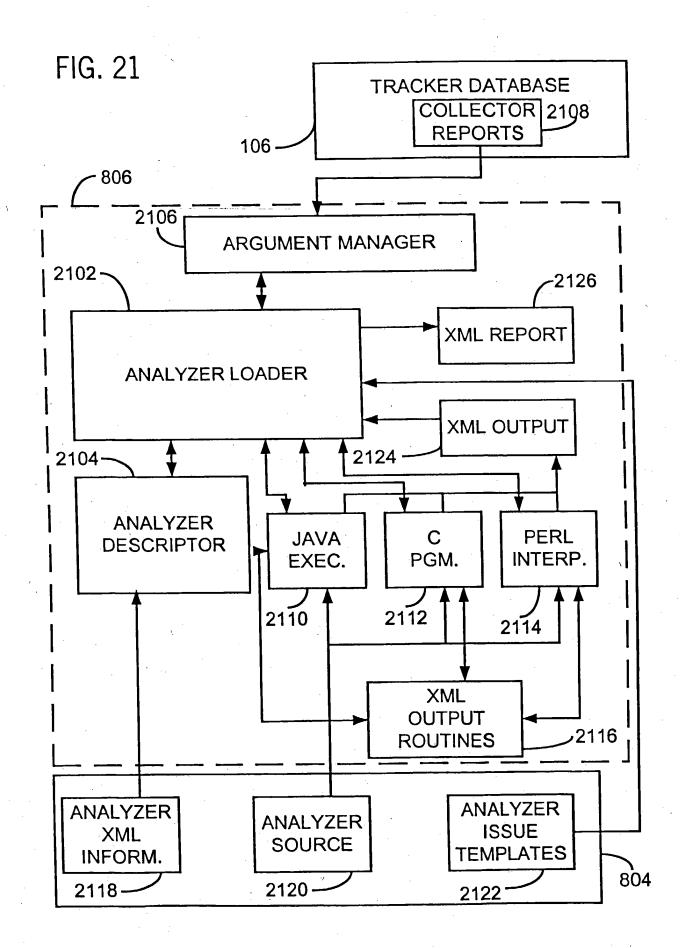
FROM FIG. 19

1908

OBTAIN FROM THE TRACKER DATABASE BACKGROUND INFORMATION ON THE SPECIFIC ENTERPRISE BEING AUDITED FOR INCLUSION IN THE REPORT AND PLACE IT IN THE DATABASE.

1910

USING THIRD PARTY PROGRAM AS A TEMPLATE, GENERATE THE REPORTS.



2202

ANALYZER LOADER RECEIVES THE NAME OF ANALYZER TO LOAD AND PASSES THE NAME TO AN ANALYZER DESCRIPTOR.

2204

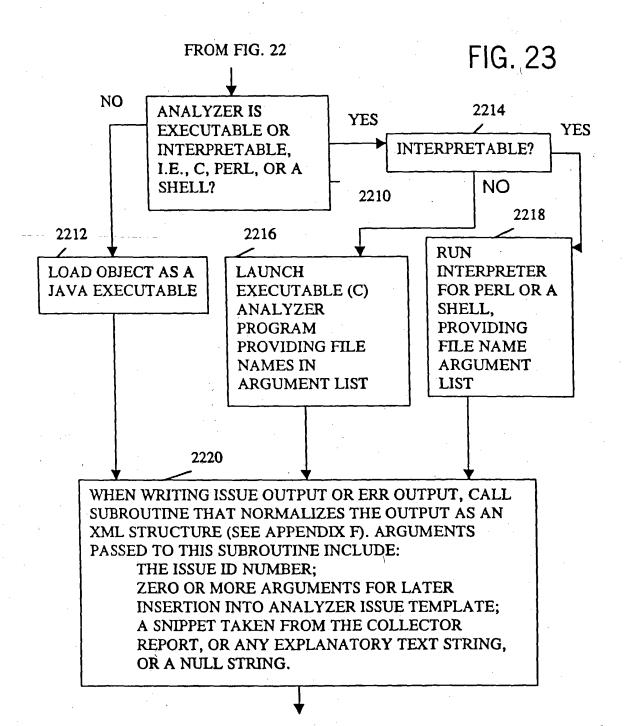
THE DESCRIPTOR READS IN THE CORRESPONDING XML DATABASE AND CREATES AN ANALYZER DESCRIPTOR OBJECT WHICH IS PASSED BACK TO THE LOADER.

2206

THE LOADER NEXT CALLS UPON AN ARGUMENT MANAGER TO RETRIEVE THE COLLECTOR REPORTS FOR THIS ANALYZER AND ARRANGES THEM IN A PARTICULAR ORDER. AN ARRAY OF FILE NAMES IS PASSED BACK TO THE LOADER.

2208

THE LOADER NEXT PASSES THE LIST OF FILE NAMES TO AN APPROPRIATE ENTITY THAT CAN EXECUTE THE ANALYZER.

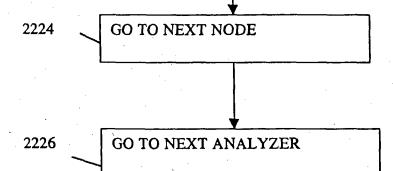


TO FIG. 24

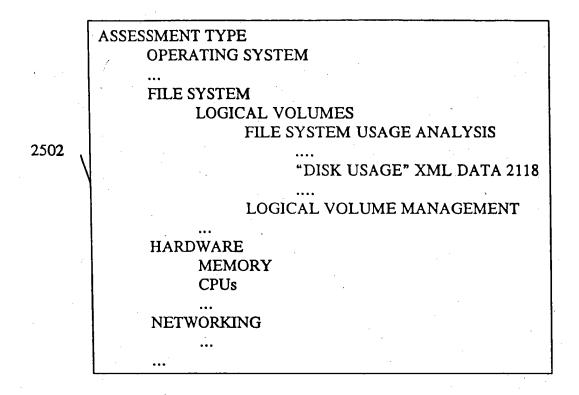
FROM FIG. 23

2222

THE ISSUE LIST OR FAILURE LIST XML OUTPUT (SEE APPENDIX F, PART 1) IS CAPTURED AND RETURNED TO THE ANALYZER LOADER 2102, WHERE IT IS AUGMENTED WITH THE NODE NAME, ASSESSMENT TASK NAME, AND WITH ANALYZER ISSUE TEMPLATE TEXT (SEE APPENDIX D) WITH ANY VARIABLE SLOTS FILLED IN. IT IS THEN APPENDED TO THE ANALYZER XML REPORT 2126 (SEE APPENDIX F, PART 2).



#### CONCEPTUAL ASSESSMENT XML HIERARCHY



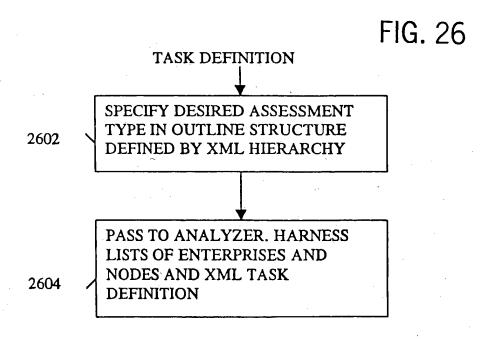


FIG. 27 -- ANALYZERS DISK USAGE 2702 SNG PT OF FAILURE 2704 **COLLECTORS** 104 TIMING PARAMETERS 2706 RELEASE 2708 **BDF** -IL (INFO. TO PKG. CONFIG. 2710 2702) DAEMON CKR. 2712 **CLUSTER STATUS 2714** TRACKER DATA **CLUSTER CONFIG. 2716 BASE NODES** 106 302, 304 **ROOT MIRROR 2718** IN AN **ENTERPRISE** PROCESSOR 2720 300 **MEMORY 2722** LVM GENERAL 2724 LVLNBOOT -V (INFO. TO **LVLN BOOT 2726 ⋨**... 2726) **KERNELINPLACE 2728 KERNELCOMPARE 2730** 

FIG. 28 -- ANALYZERS (CONT.)

